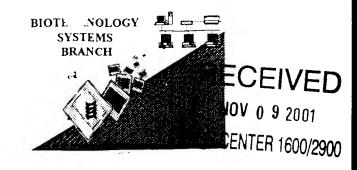# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09 / 509,559_

Source: _1647_

Date Processed by STIC: _10/10/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

#14/44
11-15-1
1647

RAW SEQUENCE LISTING   DATE: 10/10/2001
PATENT APPLICATION: US/09/509,559   TIME: 10:18:23

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

```
              SEQUENCE LISTING
    4  (1) GENERAL INFORMATION:
E--> 5        (i) APPLICANT:
C--> 11     (ii) TITLE OF INVENTION: Cadherin derived growth factor and
    12                            its use
    13    (iii) NUMBER OF SEQUENCES: 14
E--> 0     (iv) CORRESPONDENCE ADDRESS:
    7           (B) STREET: Feodor-Lynen-Strasse 31
    8           (C) CITY: Hannover
    9           (E) COUNTRY: Germany
C--> 10          (F) ZIP: 30625
C--> 14     (v) COMPUTER READABLE FORM:
    15          (A) MEDIUM TYPE: Floppy disk
    16          (B) COMPUTER: IBM PC compatible
    17          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
    18          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPA)
C--> 0     (vi) CURRENT APPLICATION DATA:
C--> 0          (A) APPLICATION NUMBER: US/09/509,559
C--> 0          (B) FILING DATE: 27-Nov-2000
C--> 0    (viii) ATTORNEY/AGENT INFORMATION:
    6           (A) NAME: Wolf-Georg Forssmann
```

Ref
P 3

ERRORED SEQUENCES

```
20 (2) INFORMATION FOR SEQ ID NO: 1:
21     (i) SEQUENCE CHARACTERISTICS:
22         (A) LENGTH: 123 Amino acids
23         (B) TYPE: Amino acid
24         (C) STRANDEDNESS: unknown
25         (D) TOPOLOGY: unknown    MOLECULE ( please correct this in
26                 (ii) MOLEKULE TYPE: Peptide        subsequent
27    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:         sequence
29  Cys His Pro Gly Phe Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg
30    1           5               10              15
32  Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr
33           20              25              30
35  Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val
36           35              40              45
38  Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn
39           50              55              60
41  Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys
42    65              70              75              80
44  Phe Ser Thr Lys Val Thr Leu Asn Gly His His His Arg Pro Pro Pro
45              85              90              95
47  His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro
E--> 48       X 100           <-105           <-110
```

misaligned amino acid nos.
(see item 3 on Error Summary Sheet)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001
TIME: 10:18:23

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

50	Asn Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg
51	115 120

SEQUENCE LISTING

(1) GENERAL INFORMATION:
    (i) APPLICANT: *1, mail 272 - all represen ment be in same line or heading*
      ~~(A) NAME:~~ Wolf-Georg Forssmann
      ~~(B) STREET: Feodor-Lynen-Strasse 31~~
delete   ~~(C) CITY: Hannover~~
      ~~(E) COUNTRY: Germany~~
      ~~(F) POSTAL CODE: 30625~~
    (ii) (TITEL) OF ~~THE~~ INVENTION: Cadherin derived growth factor and
its use *TITLE*
    (iii) NUMBER OF SEQUENCES: 14   >
(v) ~~(iv)~~ COMPUTER READABLE FORM:
    (A) MEDIUM TYPE: Floppy disk
    (B) COMPUTER: IBM PC compatible
    (C) OPERATING SYSTEM: PC-DOS/MS-DOS
    (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 ((EPA)) → EPO

(2) INFORMATION FOR SEQ ID NO: 1: >

(iv) CORRESPONDENCE ADDRESS:
    (A) ADDRESSEE:
    (B) STREET:
    (C) CITY:
    (D) STATE:
    (E) COUNTRY:
    (F) ZIP:

(v) CURRENT APPLICATION DATA:
    (A) APPLICATION NUMBER:
    (B) FILING DATE:

add there MANDATORY headings and responses for "U.S."

EPO format is invalid for U.S. cases

add these mandatory headings for a U.S. case

```
L:10 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:14 M:220 C: Keyword misspelled or invalid format, [(v) COMPUTER READABLE FORM:]
L:5 M:200 E: Mandatory Header Field missing, [(i) APPLICANT:] of (1) Value not provided
L:0 M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:] of (1)(iv)
L:0 M:248 E: Inserted missing Mandatory Header Field, [(iv) CORRESPONDENCE ADDRESS:]
L:0 M:247 C: Inserted Optional Header Field, [(viii) ATTORNEY/AGENT INFORMATION:]
L:0 M:249 C: Inserted Mandatory Field, [(vi) CURRENT APPLICATION DATA:]
L:0 M:249 C: Inserted Mandatory Field, [(A) APPLICATION NUMBER:]
L:0 M:249 C: Inserted Mandatory Field, [(B) FILING DATE:]
L:48 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1
```